

THAT WHICH IS CLAIMED IS:

1. A device for removing chlorine from potable water, said device comprising:

- a) a predetermined quantity of activated carbon;
- b) a water permeable holder for containing the activated carbon.

5 2. The device of claim 1, wherein said device is a disposable product.

3. The device of claim 2 further comprising means for retrieval.

4. The device of claim 3 wherein said water permeable holder is a bag made of a material selected from the group consisting of cloth, paper, plastic and metal.

10 5. A method of providing substantially dechlorinated potable water in an automatic coffee maker having a reservoir, consisting essentially of the steps of:

- a) placing activated carbon into the reservoir of the coffee maker;
- b) filling the reservoir of the coffee maker with potable water;
- c) allowing the activated carbon to remain in contact with the water for sufficient time for substantially removing chlorine.

15 6. The method of claim 5, wherein the activated carbon is contained in a water permeable holder.

7. The method of claim 6 wherein the water permeable holder is a disposable product.

20 8. The method of claim 7, further comprising the step of removing the water permeable disposable holder from the reservoir.

9. A process for making enhanced activated carbon having an increased capacity for adsorbing chlorine in potable water, consisting essentially of the steps of:

- a) saturating activated carbon with an aqueous solution of from 1% to 10% by weight of a compound selected from the group consisting of potassium iodide, ammonium carbonate and ammonium sulfate;
- b) drying the activated carbon without reaching ignition temperature until substantially all water is evaporated therefrom.

10. A device for removing chlorine from potable water, said device comprising:

- a) a predetermined quantity of the enhanced activated carbon produced by the process of claim 9;
- b) a water permeable holder for containing the predetermined quantity of enhanced activated carbon.

11. The device of claim 10, wherein the device is a disposable product.

12. The device of claim 11 further comprising means for retrieval.

13. The device of claim 12 wherein said water permeable holder is a bag made of a material selected from the group consisting of cloth, paper, plastic and metal.

14. A method of providing substantially dechlorinated potable water in an automatic coffee maker having a reservoir, consisting essentially of the steps of:

- a) placing the enhanced activated carbon produced by the process of claim 9 into the reservoir of the coffee maker;
- b) filling the reservoir of the coffee maker with potable water;
- c) allowing the enhanced activated carbon to remain in contact with the water for sufficient time for substantially removing chlorine.

15. The method of claim 14, wherein the enhanced activated carbon is contained in a water permeable holder.

16. The method of claim 15 wherein the water permeable holder is a disposable holder.

17. The method of claim 15, further comprising the step of removing the water permeable disposable holder from the reservoir.

5 18. An enhanced activated carbon produced by the process of claim 9 wherein the selected compound is potassium iodide.

19. A device for removing chlorine from potable water, said device comprising:

a) a predetermined quantity of the enhanced activated carbon produced by the process of claim 18;

b) a water permeable holder for containing the enhanced activated carbon.

20. The device of claim 19, wherein the device is a disposable product.

21. The device of claim 20 further comprising means for retrieval.

22. The device of claim 21 wherein said water permeable holder is a bag made of a material selected from the group consisting of cloth, paper, plastic and metal.

15 23. A method of providing chlorine-free potable water in an automatic coffee maker having a reservoir, consisting essentially of the steps of:

a) placing the enhanced activated carbon produced by the process of claim 18 into the reservoir of the coffee maker;

b) filling the reservoir of the coffee maker with potable water;

20 c) allowing the enhanced activated carbon to remain in contact with the water for sufficient time for substantially removing chlorine.

24. The method of claim 23, wherein the enhanced activated carbon is contained in a water permeable holder.

090764-0007
T04000-192350

25. The method of claim 24 wherein the water permeable holder is a disposable product.

26. The method of claim 24, further comprising the step of removing the water permeable disposable holder from the reservoir.

5 27. An enhanced activated carbon produced by the process of claim 9 wherein the selected compound is ammonium carbonate.

28. A device for removing chlorine from potable water, said device comprising:

a) a predetermined quantity of the enhanced activated carbon produced by the process of claim 27;

b) a water permeable holder for containing the enhanced activated carbon.

29. The device of claim 28, wherein the device is a disposable product made of a material selected from the group consisting of cloth, paper, plastic and metal.

30. The device of claim 29 further comprising means for retrieval.

15 31. The device of claim 30 wherein said water permeable holder is a bag wherein said means for retrieval is a string.

32. A method of providing chlorine-free potable water in an automatic coffee maker having a reservoir, consisting essentially of the steps of:

a) placing the enhanced activated carbon produced by the process of claim 27 into the reservoir of the coffee maker;

20 b) filling the reservoir of the coffee maker with potable water;

c) allowing the enhanced activated carbon to remain in contact with the water for sufficient time for substantially removing chlorine.

33. The method of claim 32, wherein the enhanced activated carbon is contained in a water permeable holder.

34. The method of claim 33 wherein the water permeable holder is a disposable product.

5 35. The method of claim 33, further comprising the step of removing the water permeable holder from the reservoir.

36. An enhanced activated carbon produced by the process of claim 9 wherein the selected compound is ammonium sulfate.

37. A device for removing chlorine from potable water, said device comprising:

- 10 a) a predetermined quantity of the enhanced activated carbon produced by the process of claim 36;
b) a water permeable holder for containing the enhanced activated carbon.

38. The device of claim 37, wherein the device is a disposable product made of a material selected from the group consisting of cloth, paper, plastic and metal.

15 39. The device of claim 38 further comprising means for retrieval.

40. The device of claim 39 wherein said water permeable holder is a bag wherein said means for retrieval is a string.

41. A method of providing chlorine-free potable water in an automatic coffee maker having a reservoir, consisting essentially of the steps of:

- 20 a) placing the enhanced activated carbon produced by the process of claim 36 into the reservoir of the coffee maker;
b) filling the reservoir of the coffee maker with potable water;

c) allowing the enhanced activated carbon to remain in contact with the water for sufficient time for substantially removing chlorine.

42. The method of claim 41, wherein the enhanced activated carbon is contained in a water permeable holder.

5 43. The method of claim 42 wherein the water permeable holder is a disposable product.

44. The method of claim 42, further comprising the step of removing the water permeable holder from the reservoir.

45. A device for removing chlorine from potable water, said device comprising:

- a) a predetermined quantity of cellulose;
- b) a water permeable holder for containing the cellulose.

46. The device of claim 45, wherein the device is a disposable product made of a material selected from the group consisting of cloth, paper, plastic and metal.

47. The device of claim 46 further comprising means for retrieval.

15 48. The device of claim 47 wherein said water permeable holder is a bag wherein said means for retrieval is a string.

49. A method of removing chlorine from potable water, consisting of the steps of:

- a) placing in the water the enhanced activated carbon produced by the process of claim 9;
- b) allowing the enhanced activated carbon to remain in contact with the water for sufficient time for substantially removing chlorine.

09923764-080704
T07089-4972559

50. The method of claim 49, further comprising the step of separating the enhanced activated carbon from the water.

51. The method of claim 49 wherein the compound selected for making the enhanced activated carbon is potassium iodide.

5 52. The method of claim 49 wherein the compound selected for making the enhanced activated carbon is ammonium carbonate.

53. The method of claim 49 wherein the compound selected for making the enhanced activated carbon is ammonium sulfate.

0937400707
10 54. A method of providing chlorine-free potable water in an automatic coffee maker having a reservoir, consisting essentially of the steps of:

- a) placing into the reservoir enhanced activated carbon made according to the method of claim 9;
- b) filling the reservoir with potable water;
- c) allowing the enhanced activated carbon to remain in contact with the water for sufficient time for substantially removing chlorine.

15 55. The method of claim 54, wherein the enhanced activated carbon is contained in a water permeable holder.

56. The method of claim 55, wherein said holder is built into the coffee maker.

20 57. The method of claim 56, wherein the water permeable holder is a disposable product.

58. The method of claim 56, further comprising the step of removing the water permeable holder from the reservoir.

59. A disposable water treatment packet for substantially removing chlorine from potable water, comprising:

a) a predetermined quantity of enhanced activated carbon produced by the process of claim 9;

5 b) a bag for containing said predetermined quantity of enhanced activated carbon, said bag made of water permeable material.

60. The disposable water treatment packet device of claim 59, wherein the water permeable material is selected from the group consisting of cloth, paper, plastic and metal.

61. The disposable water treatment packet of claim 60, further comprising a string for retrieving the packet.

62. An automatic coffee maker having a reservoir container for water, said reservoir container comprising:

a) a predetermined amount of the enhanced activated carbon produced by the process of claim 9;

15 b) a receptacle for holding a water permeable packet containing said predetermined quantity of enhanced activated carbon.

63. The automatic coffee maker of claim 62, wherein said packet is a disposable product.